

System Health and Impact Assessment Environment Demonstrated on ADAPT, Phase II

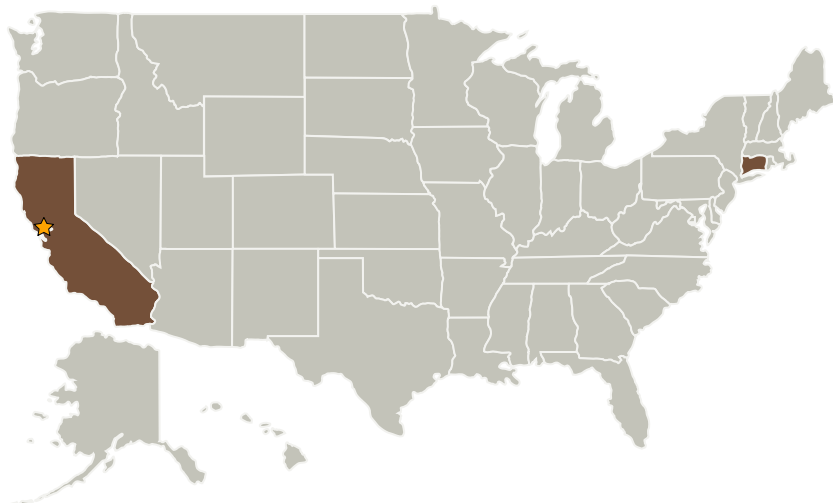
Completed Technology Project (2006 - 2008)



Project Introduction

Space exploration is a unique challenge with many difficulties in its implementation. With a goal of the return of man to the moon and travel to Mars, the stage has been set for the expansion of human knowledge beyond comprehension. Traveling to the moon and Mars, however, will require new and innovative technologies. Key to this will be system health management (SHM). For any given system of the myriad that will be required for space missions, a way of safely and efficiently managing the system health will be required. These goals are the motivation behind the proposed Phase II effort.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Ames Research Center(ARC)	Lead Organization	NASA Center	Moffett Field, California
Qualtech Systems, Inc.	Supporting Organization	Industry Minority-Owned Business, Small Disadvantaged Business (SDB)	Rocky Hill, Connecticut



System Health and Impact Assessment Environment Demonstrated on ADAPT, Phase II

Table of Contents

Project Introduction	1
Primary U.S. Work Locations and Key Partners	1
Organizational Responsibility	1
Project Management	2
Technology Areas	2

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Ames Research Center (ARC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

System Health and Impact Assessment Environment Demonstrated on ADAPT, Phase II

Completed Technology Project (2006 - 2008)



Primary U.S. Work Locations

California

Connecticut

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Technology Areas

Primary:

- TX07 Exploration Destination Systems
 - └ TX07.1 In-Situ Resource Utilization
 - └ TX07.1.3 Resource Processing for Production of Mission Consumables